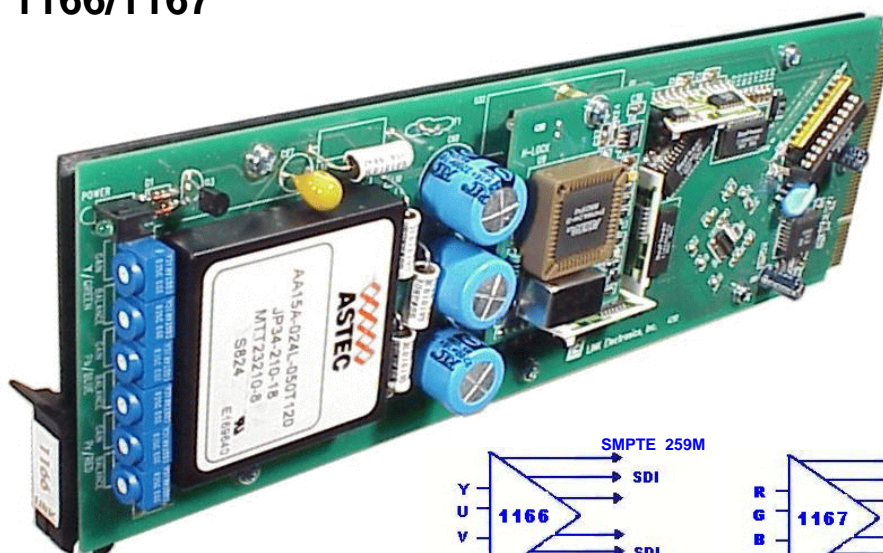




LINK ELECTRONICS, INC.

NTSC/PAL COMPONENT ANALOG TO SDI CONVERTER DigiFlex 1166/1167



FEATURES

- ◆ 10 BIT A to D
- ◆ Analog Component to Digital
- ◆ YUV or RGB Input
- ◆ 6 Digital Outputs
- ◆ 525/625
- ◆ Full CCIR-601

The LINK 1166 analog YUV to digital converter provides an accurate means of converting analog component video to component serial digital (SMPTE 259M). The 1167 converts RGB to SDI. The 1166/67 takes advantage of the latest integrated circuit technology to offer outstanding performance.

The three 10-bit analog to digital converters feature 2x over-sampling. Pre-filtering to full CCIR-601 specifications is handled by a high-performance analog filter followed by a decimating digital filter. The analog front-end features gain, offset, and frequency compensation.

Both 525/60 and 625/50 standards are supported, by onboard jumper selection.

Mounting Frame Options

- 1000 - Single Power Supply, Holds 5 Modules
- 1000/2 - Dual Power Supply, Holds 5 Modules
- 7200 - Mounting Frame, Holds 1 Module

All set-up adjustments are located on the front edge of the module. The rear cell, model 1066 is supplied with the 1166 converter. Rear cell 1067 is supplied with the 1167.

The DigiFlex 1166/67 is designed to reside in LINK's 1000-Series frame. This frame can house up to 10 modules of various types of modules with dual power supplies. Digital, analog, video and audio can be mixed in any combination to achieve system flexibility.

A complete line of digital and analog products are available for the DigiFlex 1000 series frame.. The 1000 frame can be supplied +12 VDC externally to either power supply location. A ten-year warranty applies to all Link products.

DIGIFLEX 1166/1066, YUV COMPONENT INPUT

DIGIFLEX 1167/1067, RGB COMPONENT INPUT

VIDEO INPUT

Number: One Each YUV for 1166
..... One Each RGB plus Sync for 1167
Standard: NTSC or PAL Analog Component
Configuration: Differential
Connector: 75Ω BNC
Impedance: 75Ω ±1%
Common Mode Rejection: >60dB
Return Loss: >40dB to 5.5MHz
Y Signal Level: 1Vpp ±3dB
U/V Signal Level: 0.7 Vp-p @ 100% Saturation
G Signal Level: 1 Vp-p ±3dB
R/B: 0.7 Vp-p @ 100% Saturation
Y Frequency Response: ±0.05dB to 5.5MHz
U/V Frequency Response: ±0.25dB TO 3MHz
RGB Frequency Response: ±0.05dB to 5.5MHz

DIGITAL OUTPUT

Number: Six (6)
Standard: SMPTE 259M-C 270Mb/s Component
Connector: 75Ω BNC
Impedance: 75Ω ±1%
Return Loss: >18dB to 270MHz
Signal Level: 800mV ±10%
Resolution: 10-bit

ENVIRONMENTAL

Temperature: 0° to 50°C Ambient
Humidity: 10% to 90% non-condensing
Power: 20 Watts

MECHANICAL

Height: 3.2 Inches
Width: 1 Inch
Length: 10 Inches
Weight: 8 Ounces



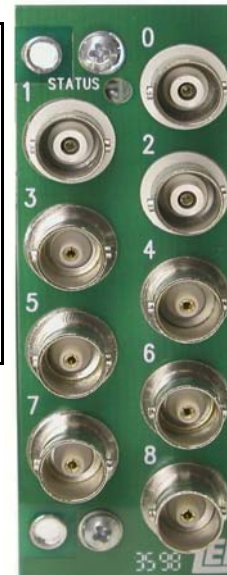
REARCELL 1067

Rear Cell I/O

- 0. G input
- 1. B input
- 2. R Input
- 3. Sync Input
- 4. Output
- 5. Output
- 6. Output
- 7. Output
- 8. Output

Rear Cell I/O

- 0. Y Input
- 1. U Input
- 2. V Input
- 3. Output
- 4. Output
- 5. Output
- 6. Output
- 7. Output
- 8. Output



REARCELL 1066

LINK ELECTRONICS, INC.

2137 Rust Avenue
Cape Girardeau, MO 63703
Phone: 573 334 4433
FAX: 573 334 9255

PROFESSIONAL SERIES--
modular system products--by LINK